

100

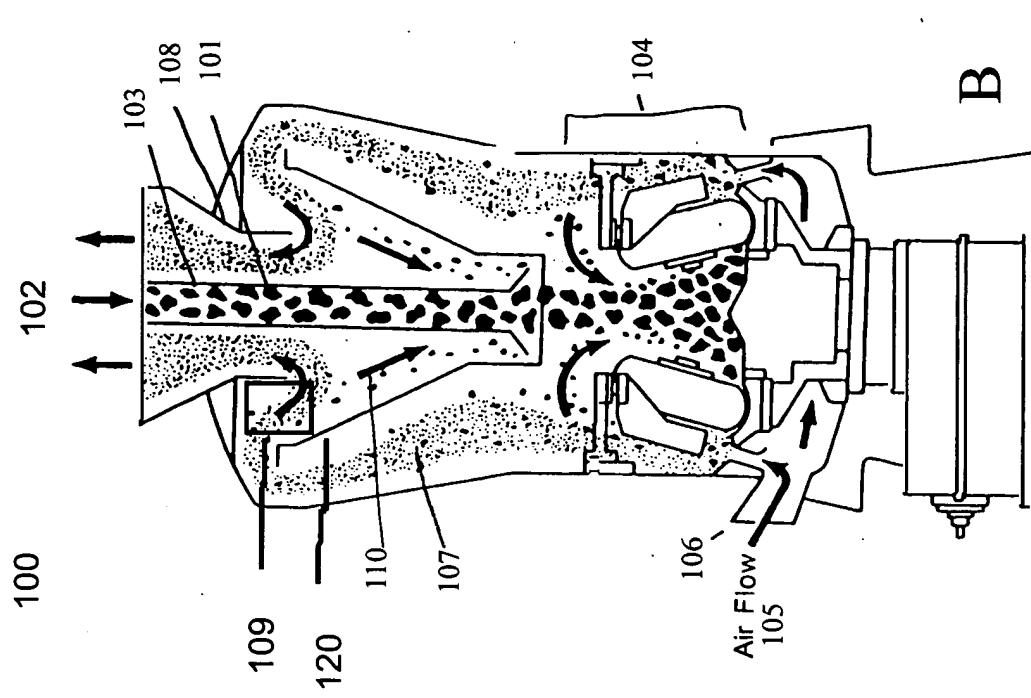
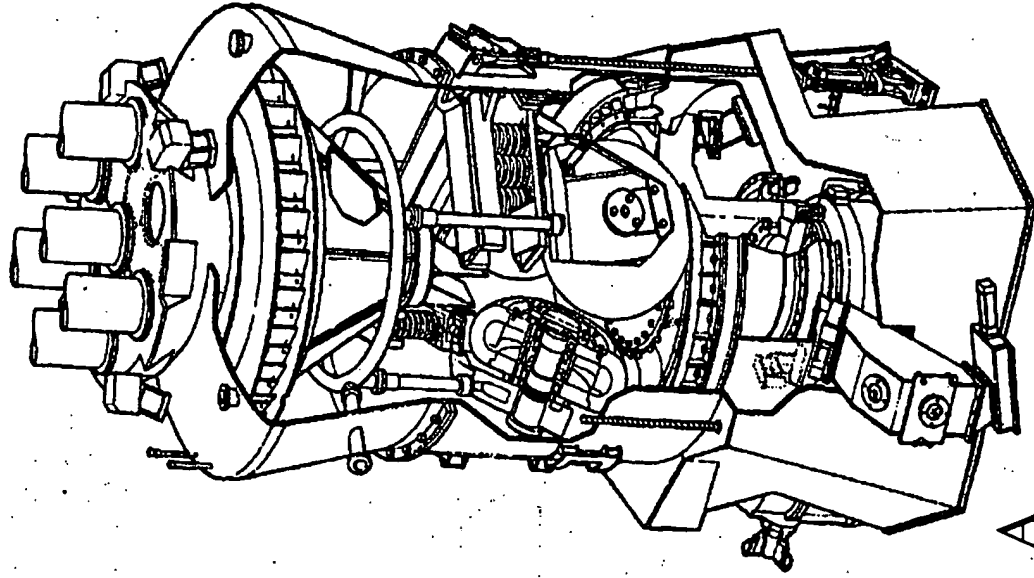


FIG 1: A Typical Pressurized Vertical Spindle Mill with 6 Outlet Pipes.
(Prior Art)

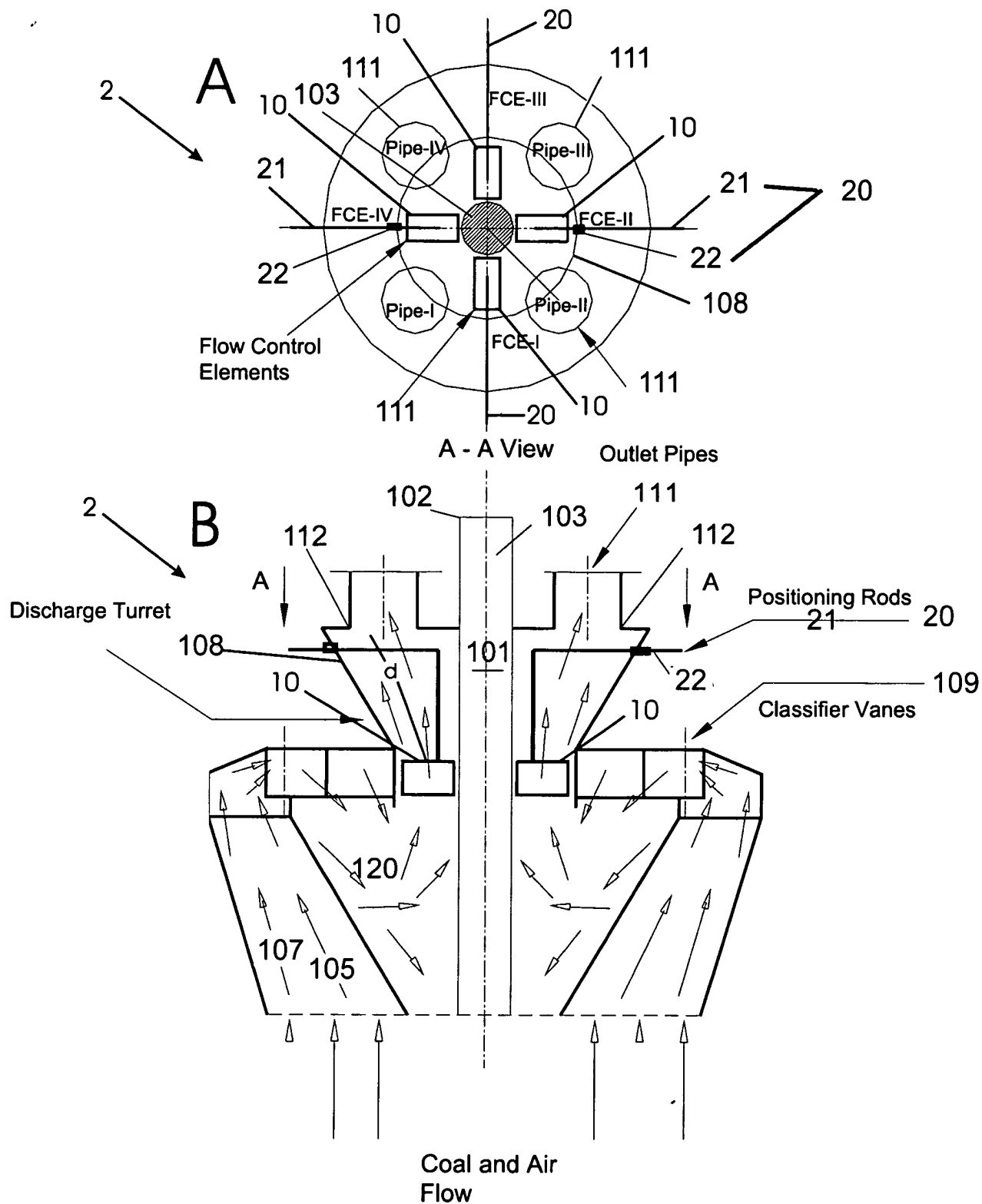
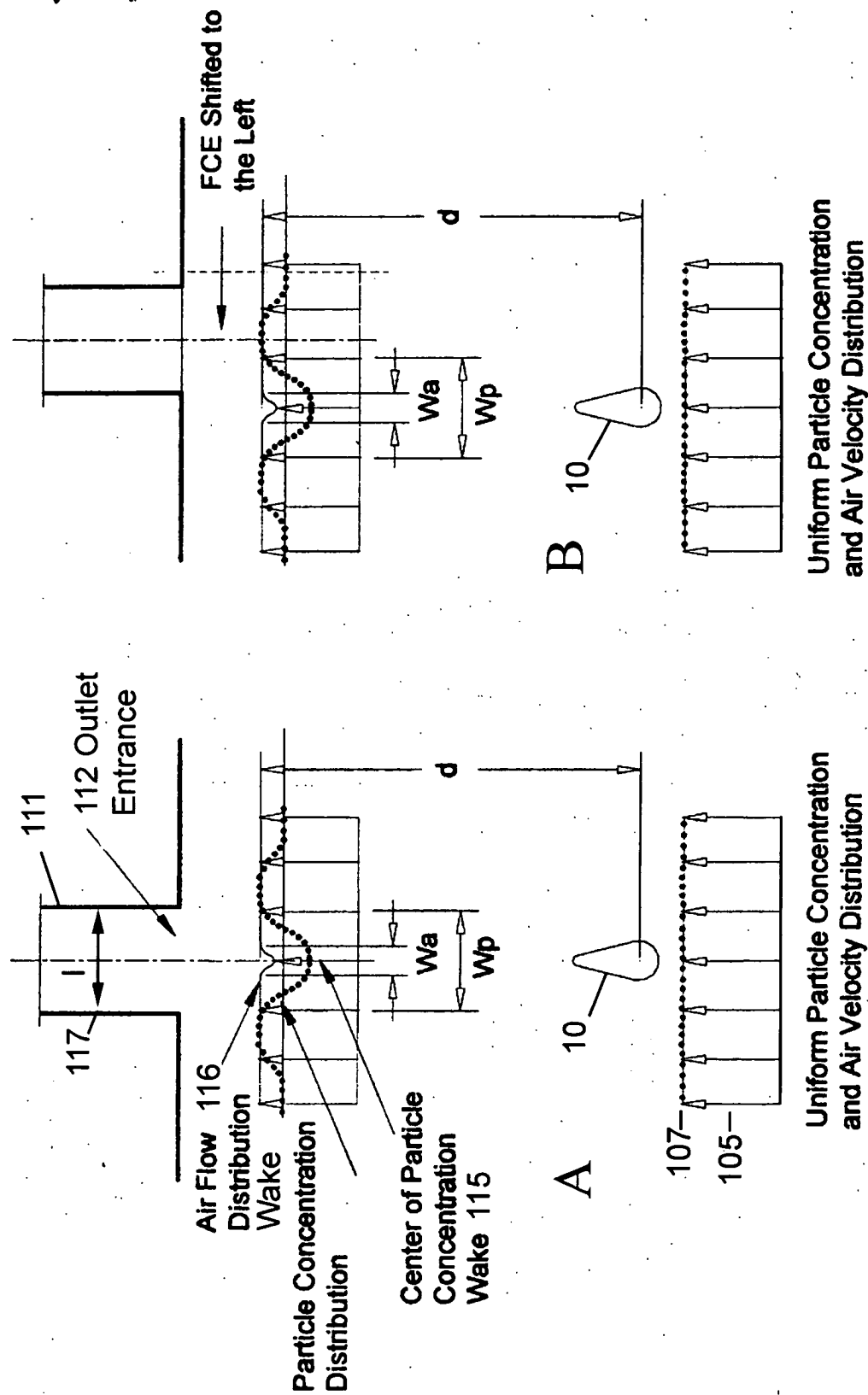


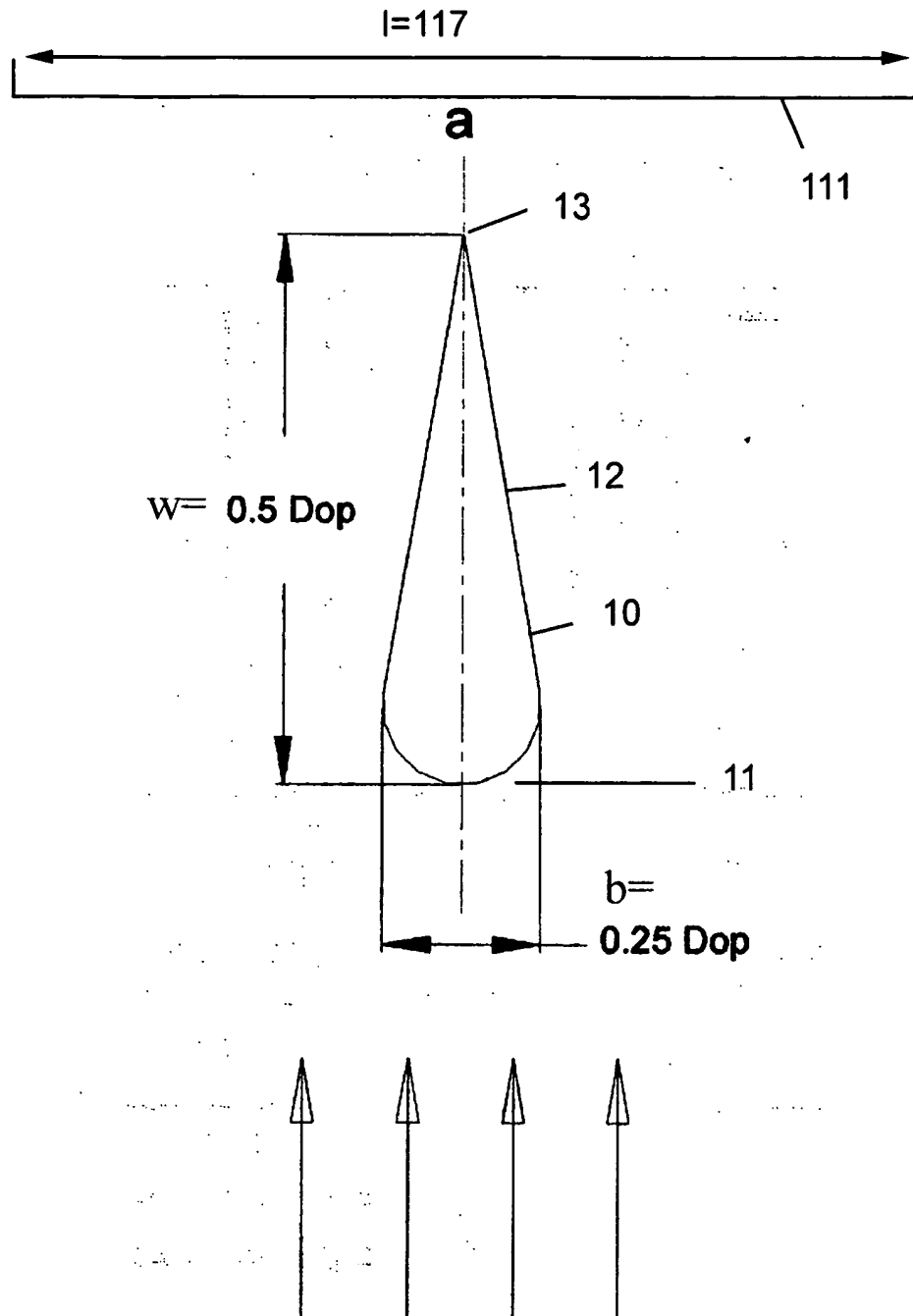
FIG. 2 Adjustable Flow Control Elements Installed Inside a Pulverizer with Four Outlet Pipes



a) Decrease in Particle Flow Rate
Through Pipe

b) Increase in Particle Flow Rate
Through Pipe

FIG 3: Particle Concentration and Air Velocity Distributions Downstream of a Flow Control Element.



FLOW

Dop : Outlet Pipe Diameter

FIG 4: Contour & Dimensions of Flow Control Element.

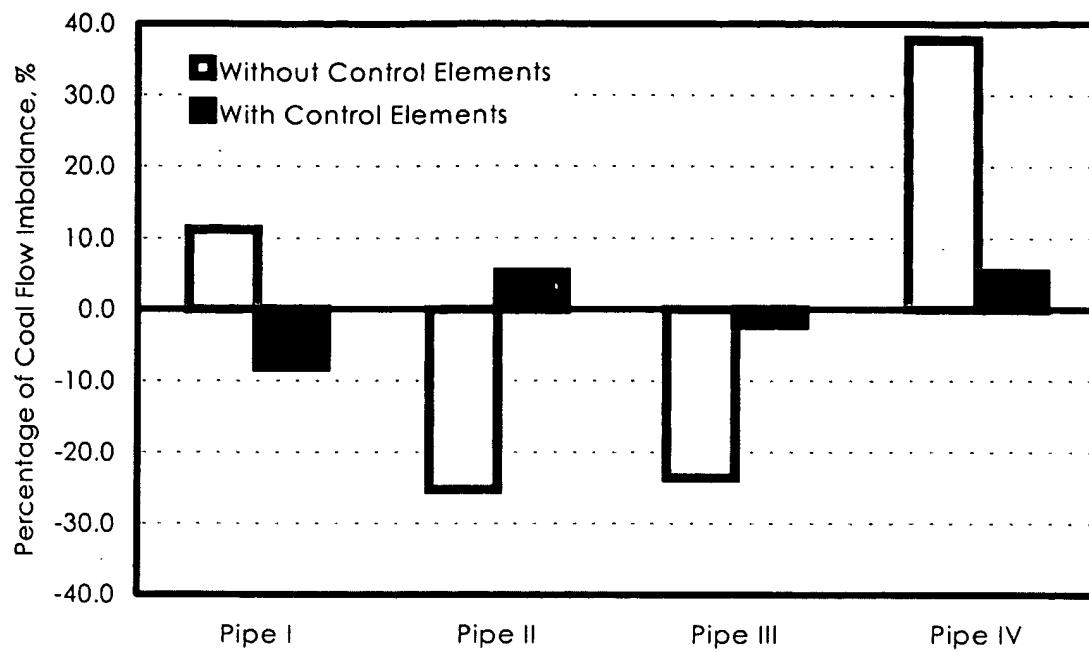


FIG 5: Balancing of Coal Flow Distribution with Flow Control Elements.

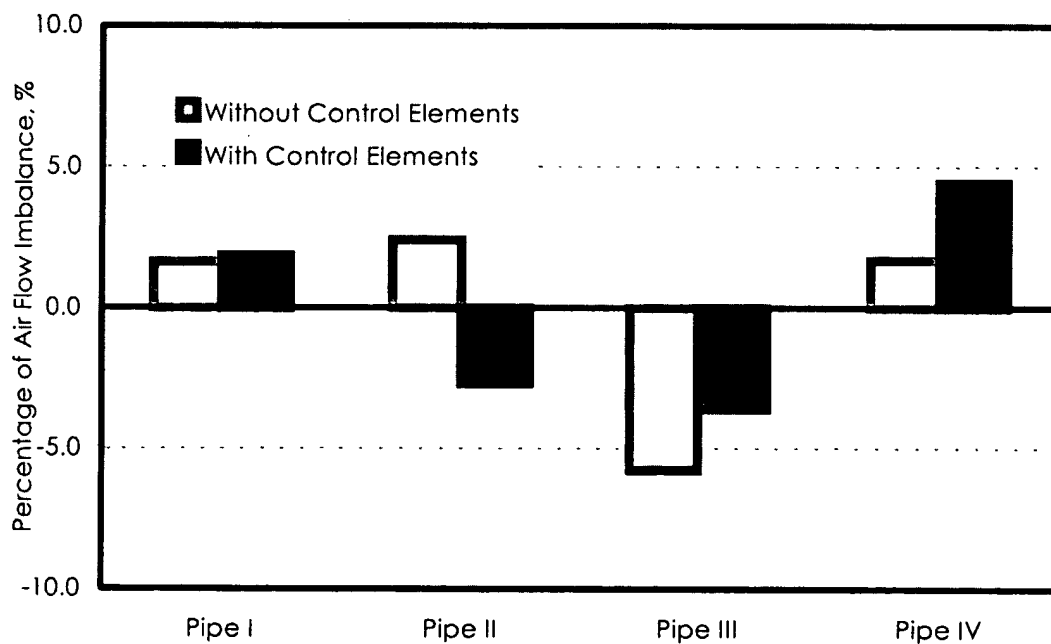


FIG 6: The Effect of Coal Flow Balancing with Flow Control Elements on Air Flow Distribution.

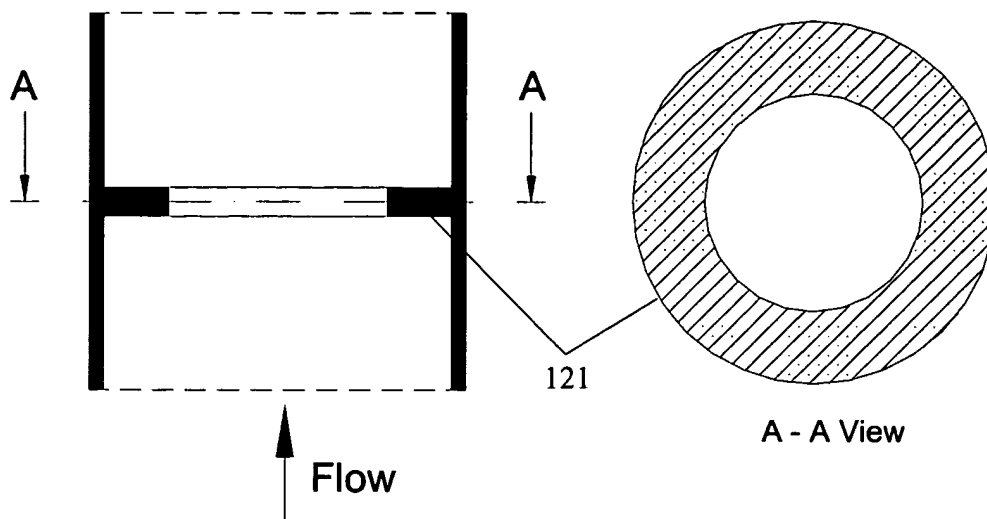


FIG. 7A Fixed Orifice Plate

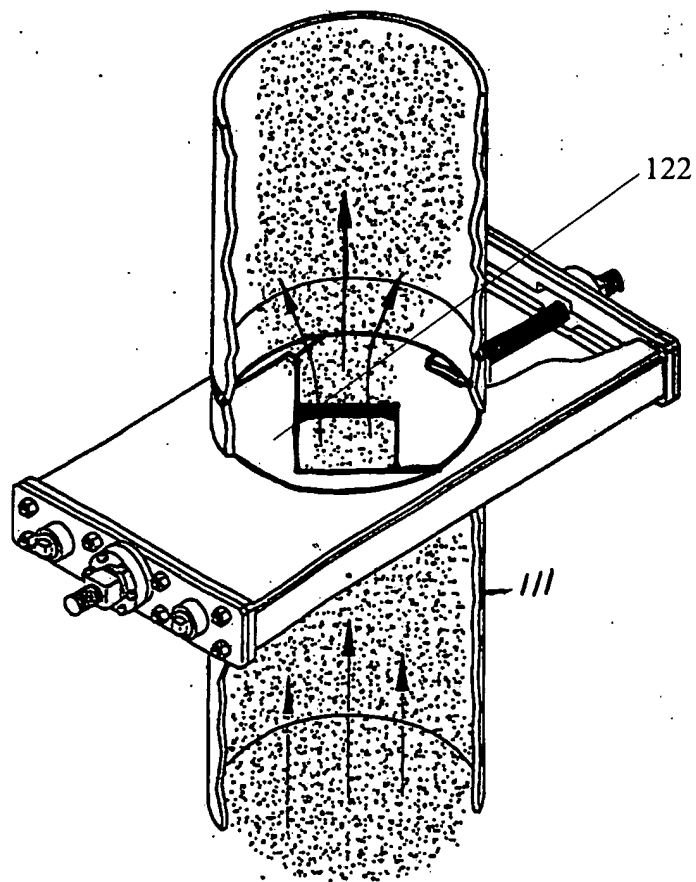


FIG. 7B Adjustable Orifice Plate